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The following listing of claims replaces all prior listings of claims presented in the application.

1. (Currently amended): A chemical compound represented by the formula [I]:

$$R^{1}_{m}$$
 $R^{5}$ 
 $R^{51}$ 
 $R^{31}$ 
 $R^{3}$ 
 $R^{7}$ 
 $R^{7}$ 
 $R^{61}$ 
 $R^{61}$ 
 $R^{6}$ 
 $R^{41}$ 
 $R^{4}$ 
 $R^{4}$ 
 $R^{4}$ 
 $R^{4}$ 
 $R^{4}$ 
 $R^{4}$ 

[[(]]wherein R<sup>1</sup> represents a hydroxyl group, a halogen atom, a cyano group, a nitro group, a formyl group, a C<sub>1-6</sub> alkyl group which may be substituted by G<sup>1</sup>, a C<sub>2-6</sub> alkenyl group, a C<sub>1-6</sub> alkynyl group, a C<sub>1-6</sub> haloalkyl group, a C<sub>1-6</sub> haloalkenyl group, a C<sub>1-6</sub> alkylcarbonyl group, a C<sub>1-6</sub> alkoxy group which may be substituted by G<sup>2</sup>, a C<sub>1-6</sub> haloalkoxy group, a C<sub>2-6</sub> alkenyloxy group, a C<sub>2-6</sub> haloalkenyloxy group, a C<sub>2-6</sub> alkynyloxy group, a C<sub>1-6</sub> alkylcarbonyloxy group, a C<sub>1-6</sub> alkoxycarbonyloxy group, a C<sub>1-6</sub> alkylthiocarbonyloxy group, an amino group which may be substituted by G<sup>3</sup>, a C<sub>1-6</sub> alkylthio group, a C<sub>1-6</sub> haloalkylthio group, C<sub>1-6</sub> alkylsulfinyl group, a C<sub>1-6</sub> haloalkylsulfinyl group, a C<sub>1-6</sub> alkylsulfonyloxy group, a C<sub>1-6</sub> haloalkylsulfonyloxy group, a C<sub>1-6</sub> haloalkylsulfonyloxy group, a heterocyclic group (a five or six membered heterocyclic group having at least one hetero atom selected from an oxygen atom, a nitrogen atom, and a sulfur atom[[)]], which may be substituted by G<sup>4</sup>, or any one of substituents represented by the following formula:

 $-OP(O)(OR^8)SR^9$ 

 $-Y^{1}C(=Y^{2})-Y^{3}R^{8}$ 

$$\underbrace{ N_{N_0} R^{12}}_{R^{11}} \underbrace{ 0 N_{R^{13}}}_{R^{13}} \underbrace{ N_{R^{13}}}_{R^{14}} \underbrace{ N_{R^{13}$$

[[(]]wherein R<sup>8</sup> and R<sup>9</sup> each independently represents a C<sub>1-6</sub> alkyl group, Y<sup>1</sup>, Y<sup>2</sup>, and Y<sup>3</sup> each independently represents an oxygen atom or a sulfur atom, A represents a heterocyclic group (a five or six membered heterocyclic group having at least one hetero atom selected from an oxygen atom and a nitrogen atom[[)]], which may be substituted by G<sup>4</sup>, R<sup>10</sup> represents a C<sub>1-6</sub> alkyl group, a C<sub>2-6</sub> alkenyl group, a C<sub>2-6</sub> alkynyl group, a C<sub>1-6</sub> alkyl C<sub>1-6</sub> alkoxy group, a C<sub>1-6</sub> haloalkyl group, or a heterocyclic group (a five or six membered heterocyclic group having at least one hetero atom selected from an oxygen atom, a nitrogen atom, and a sulfur atom[[)]], which may be substituted by G<sup>4</sup>, R<sup>11</sup> and R<sup>12</sup> each independently represents a hydrogen atom, a C<sub>1-6</sub> alkyl group, a C<sub>2-6</sub> alkenyl group, or a C<sub>2-6</sub> alkynyl group, R<sup>13</sup> and R<sup>14</sup> each independently represents a C<sub>1-6</sub> alkyl group, and R<sup>13</sup> and R<sup>14</sup> may be bound together to form a ring[[)]], m represents 0 or an integer of 1 to 5,

 $R^2$  represents a halogen atom, a nitro group, a  $C_{1-6}$  alkyl group, a  $C_{1-6}$  alkoxy group, a  $C_{1-6}$  haloalkyl group, a heterocyclic group (a five or six membered heterocyclic group having at least one hetero atom selected from an oxygen atom, a nitrogen atom, and a sulfur atom[[)]], which may be substituted by  $G^4$ , or a  $C_{1-6}$  haloalkoxy group, k represents 0 or an integer of 1 to 4,

 $R^3$ ,  $R^{31}$ ,  $R^4$ ,  $R^{41}$ ,  $R^5$ ,  $R^{51}$ ,  $R^6$ ,  $R^{61}$ , and  $R^7$  each independently represents a hydrogen atom, a  $C_{1-6}$  alkyl group, a  $C_{1-6}$  alkoxycarbonyl group, or a  $C_{1-6}$  alkoxy group, and[[,]] both  $R^3$  and  $R^4$ , or[[,]] both  $R^5$  and  $R^6$ , may be bound together to form a saturated ring,

X represents an oxygen atom, a sulfur atom, a sulfinyl group, or a sulfonyl group,

 $G^1$  represents a hydroxyl group, a  $C_{1-6}$  alkoxycarbonyl group, a  $C_{1-6}$  alkoxy group, a  $C_{1-6}$  alkoxy group, a heterocyclic group (a five or six membered heterocyclic group having at least one hetero atom selected from an oxygen atom, a nitrogen atom, and a sulfur atom[[)]] which may be substituted by  $G^4$ , or a  $C_{3-6}$  cycloalkyl group,

 $G^2$  represents a hydroxyl group, a cyano group, an amino group which may be substituted by  $G^4$ , a  $C_{1-6}$  alkoxycarbonyl group, a  $C_{1-6}$  alkylthio group, a  $C_{1-6}$  alkylsulfonyl group, a  $C_{1-6}$  alkoxy

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group, a  $C_{1-6}$  alkoxy  $C_{1-6}$  alkoxy group,  $C_{3-6}$  cycloalkyl group, or a  $C_{6-10}$  aryl group which may be substituted by a halogen atom or a  $C_{1-6}$  alkyl group,

- G<sup>3</sup> represents a C<sub>1-6</sub> alkyl group, a C<sub>1-6</sub> alkylcarbonyl group, or a C<sub>1-6</sub> alkylsulfonyl group,
- G<sup>4</sup> represents a C<sub>1-6</sub> alkyl group, or a C<sub>1-6</sub> alkoxy group, and

n represents 0 or 1[[)]],

or a salt or an N-oxide of the chemical compound represented by formula (I) (1).

- 2. (Currently amended): A chemical compound according to claim 1, wherein a substituent-position of  $R^2$  is k is at least 1, and an  $R^2$  substituent is at the five position on the pyridine ring.
- 3. (Currently amended): A chemical compound according to <u>claim 1</u> any one of claims 1 and 2, wherein at least one of substituent positions of R<sup>1</sup> is m is at least 1, and an R<sup>1</sup> substituent is at the two position on the benzene ring.
- 4. (Currently amended): A pest control agent comprising, as its active constituent, the chemical compound of <u>claim 1</u> any one of claims 1 to 3.
- 5. (Currently amended): An insecticide comprising, as its active constituent, the chemical compound of <u>claim 1</u> any one of claims 1 to 3.
- 6. (Currently amended): An acaricide comprising, as its active constituent, the chemical compound of claim 1 any one of claims 1 to 3.
- 7 (New). A chemical compound according to claim 2, wherein m is at least 1, and an R<sup>1</sup> substituent is at the two position on the benzene ring.
- 8. (New): A pest control agent comprising, as its active constituent, the chemical compound of claim 2.

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- 9. (New): An insecticide comprising, as its active constituent, the chemical compound of claim 2.
- 10. (New): An acaricide comprising, as its active constituent, the chemical compound of claim 2.
- 11. (New): A pest control agent comprising, as its active constituent, the chemical compound of claim 3.
- 12. (New): An insecticide comprising, as its active constituent, the chemical compound of claim 3.
- 13. (New): An acaricide comprising, as its active constituent, the chemical compound of claim 3.